



SUPPLEMENTAL

COUNCIL AGENDA: 06-27-06
ITEM: 2.18

Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: 06-22-06

Approved

Deanna Antine

Date

6/22/06

COUNCIL DISTRICT: City-Wide

SUPPLEMENTAL

SUBJECT: ADOPTION OF A RESOLUTION AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE AN AGREEMENT WITH THE SANTA CLARA VALLEY WATER DISTRICT FOR COST SHARING IN IMPLEMENTATION OF WATER CONSERVATION PROGRAMS FOR FISCAL YEAR 2006-2007

REASON FOR SUPPLEMENTAL

Program information on projects implemented through Cost Sharing Agreements with the Santa Clara Valley Water District in support of water conservation was not included in the original memo. The City of San José and the Santa Clara Valley Water District (District) have been cost sharing on water conservation programs since FY 96-97. To date, over 5.7 million gallons per day of flow reduction have been achieved under these agreements. Cost Sharing with the District has proven to be a cost-effective way to achieve flow reduction.

Below is a summary of the programs administered over the nine agreements and what they have achieved.

Programs

Ultra Low Flush and High Efficiency Toilet Replacement Programs

These programs have consisted of rebates, full-service installation, and distribution programs. Nearly 170,000 toilet retrofits have been completed in residential and commercial settings for a flow reduction of 4.1 million gallons. Programs have been administered continuously since FY 96-97.

Financial Incentives Program/Water Efficient Technologies

The Financial Incentives Program (renamed Water Efficient Technologies) offers financial assistance to businesses in the Plant Service Area that replace existing equipment with water-

conserving equipment. The City can pay a maximum of \$50,000 per project and the District has reimbursed the City for half the cost. To date, 50 projects have been completed for a flow reduction total of 994,000 gallons per day.

High Efficiency Washing Machine Rebate Program

The District and the City offer residential rebates for these water-efficient washing machines in conjunction with rebates from PG&E. Rebates have been offered continuously since FY 98-99. To date, 38,771 rebates have been issued for a total flow reduction of 596,000 gallons per day. In FY 99-00, the District began offering commercial rebates along with residential rebates.

Water Wise Housecalls

This District program offers free residential water audits to single family and multi-family dwellings in the Plant Service area. Because most water savings are garnered from outdoor conservation and savings are difficult to quantify, the City does not count savings from this program. The program offers effective water conservation education. Since FY 99-00, 5,390 surveys have been conducted under these agreements.

Water District Mobile Home Park Submetering Pilot Program

This pilot program investigated potential water savings from submetering mobile home parks. The City paid half the cost of the rebates. 294 rebates were issued. Through the pilot, it was found that most mobile home parks had already been retrofitted. The program was conducted in FY 01-02.

Water Softener Rebate Program

Begun in FY 02-03, this program encourages the replacement of water softeners. 122 rebates have been issued. There is no flow savings number associated with these retrofits. In addition to flow savings, these retrofits benefit recycled water by reducing the amount of salt discharged to the Water Pollution Control Plant.

Pre-rinse Sprayer Valve Program

This program replaces pre-rinse sprayer valves used in food service settings with water conserving valves, offering both water and energy savings. Since FY 02-03, 1,627 valves have been installed in the Plant Service Area for a flow reduction of 81,000 gallons per day (with a break in service in FY 05-06 because of a wage dispute with the contractor).

Water District Baseline Study

To determine remaining residential water conservation potential, the City helped the District finance a residential baseline study to quantify the distribution of water-using fixtures and landscaping and determine water conservation knowledge among residents. No flow reduction resulted. The City contributed \$25,000 to the total cost of \$200,000. The Study was conducted in FY 02-03 and FY 03-04.

Neighborhood Preservation Water Conservation Program

Begun in FY 03-04, the District has funded this City program to offer financial assistance to low-income San José residents “noticed” under the Neighborhood Preservation Ordinance who upgrade their properties using water-conserving plant materials and hardscape. To date, 12 vouchers have been issued to San José residents and nine have been paid. Water savings are not quantified under this program. The program is now administered by Code Enforcement.

Innovative CII Retrofits and Process Equipment Rebate Pilot Program

This program offers rebates for such retrofits as x-ray equipment, dental dry-vac equipment, and waterless urinals. Three rebates have been offered since its inception in FY 03-04. No flow savings number was generated for these retrofits. The City paid the District \$5 per retrofit.

Commercial Urinal Retrofit Program

This District program offers rebates for urinal retrofits. To date, no urinal retrofits have been conducted under this program. The Program began in FY 03-04.

Commercial, Institutional and Industrial Water Survey Program

This District program conducts water audits for the business community to determine potential water conservation opportunities. The District has yet to invoice the City for this program. No flow reduction is achieved directly from the surveys. The City pays \$900 per survey out of a cost of approximately \$3,500. This program began in FY 05-06.

Cooling Tower Conductivity Controller Rebate Program

Beginning in FY 06-07, this program will provide rebates for the installation of cooling tower conductivity controllers. This grant funded program will help determine a per unit flow savings estimate for controller installations. The City will contribute \$435 per grant funded rebate and \$785 per non-grant funded rebate (once grant funds are depleted).

Sloan “Uppercut” Dual-flush Flushometer Handle Retrofit Pilot Program

This program will retrofit 1.6 gallon flushometer toilets with a handle that allows for 1.1 or 1.6 gallon flushes. This 06-07 pilot program will determine the feasibility of this technology as a flow savings measure. The City will contribute \$20 per rebate.



JOHN STUFFLEBEAN

Director, Environmental Services

For questions please contact Linden Skjeie, Supervisor, Water Efficiency Program, at (408) 975-2577.